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Or

Wm. Kirch

-orchids, ltd.

732 Kapahulu Ave.

Honolulu 16, Hawaii

presents

Cattleya

Cypripedium

Oncidium Alliance

Selected Orchids

to grow

with *Cattleyas*

BLC. ROBERT M. GIFFORD

(See 3C-9)

1963

A Word About Wm. Kirch Orchids, Ltd.

We are a Marketing Corporation—owned and operated by six independent Hawaiian Orchid Nurseries. Through co-operation of growing—breeding—marketing—we believe we can offer you more—for a fair value—than any other orchid firm known to us.

We grow only plants for sale. Our supply of mature plants is very limited. We do not sell cut flowers, and with the exception of that one plant in a thousand that we feel is worthy of keeping to try and prove its future value as a stud plant, all of our stock is sold as soon as it reaches maturity. Thus, unlike many of our compatriot firms, we do not offer large stocks of mature plants—or a selection of price range for flowering size stock. Our value to you is to offer the orchids of tomorrow—let you flower them—and win the plaudits. From time to time, we do offer divisions of our highly selected stud stock. These appear on our “sales” lists—published as a “Summer Sale,” “Christmas Sale” and “Winter White Sale.”

For those of you that do not know us, we six are as follows:

Directors—T. Kazumura, H. Otake
Treasurer—E. Iwanaga
Secretary—Ben Kodama
Vice President—Miya Miyamoto
President—Wm. Kirch

Each of us try as a component part of the whole to do for you a good job. If you are not familiar with us, we sincerely invite your patronage.

CULTURE:

Each year we publish two catalogs. In the Spring one such as this, that covers Cattleya—their allied hybrids and Intergeneric combinations, Cypripedium and a group on the Oncidenii type hybrids and their intergeneric combinations. All of these plants are compatible to Cattleya conditions as to culture.

Our Fall Catalog covers Phalaenopsis, Vanda, Dendrobium—and other Vandaceous material. These require a little different care so we prefer to catalog them together.

“CATTLEYA AND ALLIED GENERA CULTURE.”

Our cultural remarks refer to all sections from #1 to #19.

These are among the easiest of all orchid plants for the amateur to grow. If you are just starting, Cattleyas will give you what you want. They can be quite successfully grown in many locations without a glass house.

They should be grown in a temperature range of not less than 55°F. at night with a daily range not to exceed 30°F. above the current night temperature. Thus, if your night temperature was maintained at 55°F., the maximum rise during the following day should not exceed 85°F.

Potting can be done in Osmunda Fiber, Hawaiian Tree Fern, or any of the new Bark composts. We highly recom-



BLC. LLEWELLYN

(See 3C-5—3C-52)

mend the latter, due to ease of use and handling thereafter.

Cattleyas should be watered as often as they get dry. Location, type of potting media, season, state of growth of the plant, and light, all play an important part in the speed with which a plant will dry out. There is no hard or fast rule—observe your plant and when it is dry, give it a good soaking. Then do not water again until dry.

Cattleyas will benefit by the use of fertilizers. (Any complete liquid fertilizer recommended for orchids is suitable). Again, several factors are important as to the use of fertilizer. Light, rate of growth of the plant, season, all are important. Remember, plants are like humans; when active they eat more, when dormant, less. Use your good common sense as a guide.

The Oncidium Alliance will cover for cultural notes sections 21-24 inclusive. Use the same basic cultural notes as for Cattleya.

These plants are light lovers. They are quite tolerant of dry atmospheric conditions making them most suitable as home plants. Watering should be kept on the dry side. Pot either in tree fern, osmunda, or bark media. Fertilize only when in growth.

If you have a specific problem, write to us. We will be happy to try and solve it for you.

WARM COLORED CATTLEYA HYBRIDS

We group together here all those wonderful colors of yellow, orange, bronze, red—The kind of hybrids that make you catch your breath when you see a fine one in flower. Each is in its own section to make your selection easier.

- ① "Large Flowered Hybrids with basic tones of yellow to orange and their bronze tones."

3C-1—Lc. Golden Sunrise x Lc. Grandee Jules Furthman			
—Dark yellow—Fall	1 1/2"		
3C-2—(Lc. Edgar Omura x Blc. Nugget) x Blc. Queen Aprica var. Golden Radiance—			
Orange yellow—Winter	1 1/2"		
3C-3—C. Thebes Bronze King 4n x B. Digbyano—			
Bronze—Fall	1 1/2"	2"	3"
3C-4—Lc. King Cardinal x Blc. Zaffredo—			
Orange—Summer, Fall	1 1/2"		
3C-5—Blc. Llewellyn x B. Digbyano—Bronze—Fall	3"		
3C-6—Blc. Ben Kodama (Lc. Canberra Stonehurst 4n x B. Digbyano)—All shades yellow—Fall	1 1/2"		
3C-7—Blc. Mary M. Damon x Blc. Walter Abe—			
Clear yellow—Winter	1 1/2"		
3C-8—Blc. Dorothy Tanouye x Blc. Golden Queen var. Regina AMHOS 4n—			
Orange yellow—Fall, Winter	1 1/2"		
3C-9—C. Dowiana Aurea x Blc. Robert Gifford—			
Dark yellow—Summer, Fall	1 1/2"		
3C-10—Bc. S. M. Damon x Lc. Hinahina—			
Orange Bronze—Summer, Fall	1 1/2"		
3C-11—C. Bob Berits x Blc. Golden Crown—Weedon Aurea—Light yellow—Winter	1 1/2"		
3C-12—Lc. Alma x C. Dowiana—			
Dark orange—Summer	1 1/2"	3"	4"
3C-13—Lc. Canberra Stonehurst 4n x Lc. Alma—			
Orange yellow—Fall	1 1/2"		
3C-14—Lc. Skippy Cavaco (Lc. S. J. Bracey x C. Pualilili)—Various shades of yellow—Summer, Fall	4"		
3C-15—Blc. Daffora var. Ishii x C. Madeline Knowlton AMAOS—Clear orange, yellow—Winter	1 1/2"		

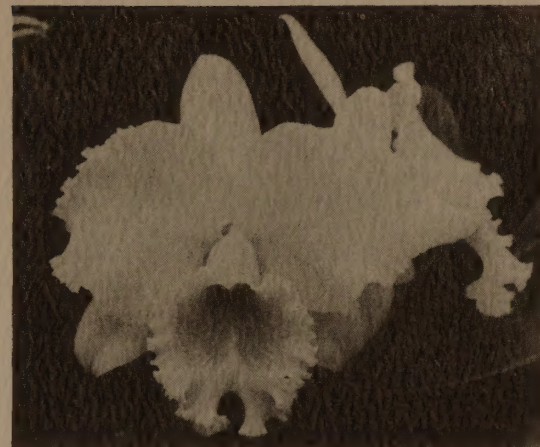
- ② Cluster type—or small flowered Hybrids in basic tones of yellow to orange and their bronze tones. These are truly conversation pieces and both for display or show purposes are unrivaled.

3C-16—Lc. Canberra Stonehurst 4n x C. Guttata Leopoldi—Bronze—Fall	1 1/2"	2"	3"	4"
3C-17—Bc. Diadem x C. Priscilla Ward—				
Green yellow—Spring	1 1/2"			
3C-18—C. Priscilla Ward x C. Aurantiaca—				
Orange—Winter	1 1/2"			
3C-19—C. Revel x Bc. Daffodil—Bronze—Winter	1 1/2"			
3C-20—Lc. Little Sunbeam (L. flava x Lc. alma)—				
Bright yellow—Spring	1 1/2"			
3C-21—C. Intermedia Alba x L. flava—				
Clear butter yellow—Spring	1 1/2"			
3C-22—C. Forbesii x C. Intermedia Alba				
Orange—Spring	1 1/2"	2"		
3C-23—(C. Forbesii-L. Xanthina) x Lc. Granacity—				
Bronze—Fall	3"	4"		
3C-24—Lc. Edgar Van Belle x C. Barbara Kirch AMAOS—				
Salmon shades—Winter	3"	4"		

3C-25—Lc. Grandee Jules Furthman 4n x C. Guttata Leopoldi—Bronze—Summer, Fall	4"			
3C-26—C. Bertii x L. Xanthina—				
Bronze, yellow—Winter	2"	3"	4"	
3C-27—B. Glauca x L. Coronet—Orange—Winter	3"			
3C-28—Bl. Gratixiae x C. Guttata—				
Dark bronze—Fall	3"			
3C-29—Lc. S. J. Bracey x C. Guttata Leopoldi—				
Bronze—Fall	3"			
3C-30—C. Guttata Leopardina x Lc. Elstead Gem—				
Dark yellow—Fall	1 1/2"			
3C-31—C. Dowiana x C. Intermedia Alba var. Miller—				
Cream to light yellow—Summer	1 1/2"	3"	4"	
3C-32—C. Barbara Kirch (Aurantiaca x Bowringiana)—				
Salmon orange—Winter	1 1/2"	3"		
3C-33—Lc. Granacity x C. Iridesceus—				
Bronze to dark yellow—Fall, Winter	1 1/2"	3"		
3C-34—C. Harrisoniana "Our Pride" x L. Cinnabarina—				
Dark orange—Late Spring	1 1/2"			
3C-35—L. Icarus (flava x cinnabarina)—				
Orange—Spring	1 1/2"			
3C-36—Lc. G. S. Ball-C. December Snow x C. Priscilla Ward—Green yellow—Spring	1 1/2"	2"	3"	
3C-37—Lc. S. J. Bracey x C. Intermedia—				
Bronze—Fall	1 1/2"			
3C-38—C. Guatemalensis x L. Harpophylla—				
Orange to red orange—Winter	2"	3"		
3C-39—C. Luteola x Guttata Alba—				
Green yellow—Fall	1 1/2"			
3C-40—Sl. Valda x C. Revel—Bronze—Fall	1 1/2"			
3C-41—Lc. Evelyn Mountain x C. Guttata Alba—				
Clear yellow—Fall	1 1/2"			
3C-42—C. Pualilili x Sl. Psyche—				
Red orange—Fall, Winter	1 1/2"	2"		
3C-43—C. Edwin Ayau, Sr. x Lc. G. S. Ball—				
Orange—Winter	1 1/2"			
3C-44—C. Guttata x B. Digbyano—Bronze—Fall	1 1/2"			
3C-45—C. Iridesceus x R. Prowe—				
Light yellow—Spring	1 1/2"			
3C-46—C. Priscilla Ward x Intermedia Alba—				
Green tones—Spring	1 1/2"	2"	3"	4"

- ③ Large Flowered Red types. Breeding goes along two lines—(1) combinations with sophronitis blood in them and (2) combinations where yellow has been combined with lavenders to produce red tones. In this latter section, results are variable but have produced some of the most highly colored hybrids of this type raised to date.

3C-47—Slc. Rainbow Hill x Blc. Cindy Fujino—				
Dark red—Fall, Winter	1 1/2"			
3C-48—Slc. Rainbow Hill x Slc. Lindores var. Lau—				
Red—Fall, Winter	1 1/2"			
3C-49—Slc. Langleyensis Star Fire x Blc. Dawn Angela—				
Light red cast—Winter	1 1/2"			
3C-50—Blc. Cynde Fujino x Lc. Supervia var. Hoshino—				
Dark bronze red—Fall, Winter	1 1/2"			
3C-51—Lc. Crowborough-Sunshine x Blc. Norman's Bay var. Low FCCRHS—Very dark—Fall, Winter	1 1/2"			
3C-52—Blc. Llewellyn-Middennette x C. Ardentissima var. Negus—Deepest red purple—Fall	1 1/2"			
3C-53—Lc. Canberra Stonehurst 4n x Blc. Wendell Hoshino—Dark red—Fall, Winter	5"			



C. EMPRESS BELLS
(See 3C-81—3C-94)

- ④ Cluster or small flowered red types. The same breeding pattern has been used as with the large hybrids of this type in the foregoing section.

3C-54—C. Eurydice x Lc. Edgar Van Belle—				
Purple red—Winter	4"			
3C-55—C. Bowringiana x C. Batalinii—				
Metallic bronze red—Fall	3"	4"		
3C-56—Lc. Penserra x C. Loddigessii—				
Red purple—Fall	1 1/2"			
3C-57—Lc. Little Moe x C. Guttata Leopoldi—				
Bronze red—Fall	1 1/2"	2"	3"	
3C-58—C. Guatemalensis x Slc. Firefly—				
Yellow red—Winter, Spring	3"			
3C-59—Lc. Isotta x Slc. Radians—				
Lavender red—Fall	3"	4"		
3C-60—C. Barbara Kirch AMAOS x Lc. Windemere Clovely AMRHS—Purple red—Winter	4"			
3C-61—Lc. Bright Lip (Lc. Isotta x Hawaiian Sunset)—				
Green red overtones—Fall	4"			
3C-62—Lc. Wine Festival (C. Guttata Leopoldi x Lc. Edgar Van Belle)—Burgundy color—Fall	3"	4"		
3C-63—Lc. Isotta x C. Guttata Leopoldi—				
Green bronze, red flush—Fall	3"	4"		
3C-64—B. Glauca x Slc. Radians—				
Pink red—Winter	1 1/2"	2"	3"	
3C-65—C. Barbara Kirch AMAOS x Slc. Naomi Kerns Fire King—Dark red—Winter	1 1/2"	2"		
3C-66—Sl. Psyche x Lc. Carrie Estelle var. Highfield—				
Orange red—Fall	1 1/2"	2"		
3C-67—Lc. Wriger x Slc. Naomi Kerns var. Fire King—				
Dark purple red—Winter	3"			
3C-68—Lc. Princess Margaret x C. Guttata Leopoldi—				
Bronze—Fall, Winter	1 1/2"	2"		
3C-69—Lc. Wriger x C. Guttata Leopoldi—				
Purple bronze red—Fall	1 1/2"			
3C-70—C. Domosa x Iridesceus—Bronze—Spring	1 1/2"			
3C-71—C. Revel x Guttata Leopoldi—				
Bronze—Fall	1 1/2"			
3C-72—Lc. Hawaiian Sunset x C. Guttata Leopoldi—				
Green bronze red cast—Fall	3"	4"		

⑤ LC. MYSEDO VAR. MIYA CROSSES

Lc. Mysedo var. Miya is a name to watch out for. "Miya" to us means Masatoshi Miyamoto, or M. Miyamoto—or in short, "Miya." He is a man of great vision in breeding good orchids. Aso Vice President of Wm. Kirch Orchids, Ltd. Before the days of cytology, he used to say breed a "soft" orchid to a "hard" orchid—we now, as he does—know this can be interpreted cytologically to mean "diploid or soft" to "polyploid or hard." He knew these things long before they appeared in the literature. He also had the same vision to select "good breeders."

One of his most famous selections was Lc. Mysedo var. Miya. A "hard" tetraploid this plant has a tremendous ability to import to its offspring marvelous color inheritance. If you want to play safe and bet on good horses for real color—try this section. If you only select one—you may not win—but among these plants are without a doubt some of the top plants of the future. Try some and bet with the odds on "your" side.

- 3C-73—Lc. Mysedo var. Miya x C. Bob Betts "Tomi" #1 AMHOS—Orange red—Winter 2" 3"
 3C-74—Lc. Mysedo var. Miya x Blc. Norman's Bay var. Linda AMAOS—Dark purple to deep red—Winter 1½"
 3C-75—Blc. Kapiolani Beauty var. Pokai x Lc. Mysedo var. Miya—Orange red—Winter 1½"
 3C-76—Lc. Mysedo var. Miya x C. Scintillation CRHOS—Clear orange—Winter 1½"
 3C-77—Lc. Mysedo var. Miya x Lc. Helen Wilmer—Bronze purple to red—Spring 1½"
 3C-78—Lc. Hassallii Alba x Lc. Mysedo var. Miya—Orange, dark lip—Spring 1½"
 3C-79—C. General Patton x Lc. Mysedo var. Miya—Clear orange—Winter 1½"
 3C-80—Blc. Illiad x Lc. Mysedo var. Miya—Deep salmon orange—Winter, Spring 1½" 2½"

⑥ WHITE CATTLEYAS LARGE FLOWERING

These are all the fine new polyploid types that represent such famous hybrids as we call today the "Bow Bells Class." They have excellent confirmation—are pure white, with yellow in the throat. We only mark on each projected season.

- 3C-81—C. Bow Bells var. Wailani AMHOS x C. Empress Bells—Winter, Spring 1½"
 3C-82—C. General Patton x C. Bow Bells var. Wailani AMHOS—Winter 1½"
 3C-83—C. Marion Patterson x C. Madeline Knowlton AMAOS—Spring 1½"
 3C-84—C. General Patton x C. Bob Betts var. "Tomi" #1, AMHOS—Winter 1½"
 3C-85—C. Bow Bells x Bob Betts—Winter 1½"
 3C-86—C. Snowden x Bob Betts—Spring 1½"
 3C-87—C. Bob Betts x Self—Winter, Spring 1½"
 3C-88—C. General Patton x Scintillation—Winter 1½"
 3C-89—C. Affection x General Patton—Spring 1½"
 3C-90—C. Clementine Goldfarb x Bow Bells—Spring 1½"
 3C-91—C. Edithiae White Empress FCCRHS x Bob Betts—Winter 1½"

- 3C-92—C. Princess Bells var. Waikiki AMHOS x C. Princess Bells var. Betty's Bouquet AMAOS—Winter 1½"
 3C-93—C. Edward Ayau x General Patton—Winter 1½"
 3C-94—C. Empress Bells x Alice Shirai HCCAOS—Winter 1½"
 3C-95—C. Crown Princess Michiko (Marion Patterson x Bob Betts AMHOS)—Spring 1½"

⑦ WHITE CATTLEYA SMALL FLOWERING

We have been working primarily with parents to produce large clusters, heavy texture—clear white flowers—primarily in the Spring months when flowers of this type are in heavy demand. We believe our selected parents of C. Intermedia Alba will accomplish this.

- 3C-96—C. R. Prowe x Intermedia Alba var. Miller—Spring 1½" 2" 3"
 3C-97—C. Intermedia Alba var. Miller x North Star 4n—Spring 1½" 3" 4"
 3C-98—Lc. Kahili Kea x C. Scintillation—Winter 1½" 2" 3"
 3C-99—C. Intermedia Alba x Bob Betts—Spring 1½"
 3C-100—C. Intermedia Alba x Bc. Albion var. Kodama—Spring 1½"

⑧ CATTLEYAS—LARGE FLOWERED—PINK

It has been proven that by crossing very fine selected plants of the white Bow Bells class to good lavender parents, the end results are a lovely soft shade of pink. We list three fine crosses of this line of breeding.

- 3C-101—C. Scintillation CRHOS x Blk. Norman's Bay var. Linda AMHOS—Winter 1½"
 3C-102—C. Bow Bells var. Honolulu x Lc. Edward Mathews—Spring 1½"
 3C-103—C. Sedeles Combe var. Gempei x C. Bob Betts Moanalua AMHOS—Spring 3"



C. DOLOSA
(See 3C-105—3C-106)

⑨ CATTLEYAS—SMALL FLOWERED—PINK

While many results have to date, not been recorded, we believe that by taking selected Bifoliate parents and combining them with the white C. Bow Bells class—as well as other parents we know to import this sought after color, we are able to offer here a group of hybrids that will give you quality in this color and type of hybrid.

- 3C-104—C. R. Prowe x Walkeriana—Spring, Summer 1½"
 3C-105—C. Dolosa x Bow Bells—Winter, Spring 1½"
 3C-106—Lc. Callistoglossa x C. Dolosa—Summer 1½"
 3C-107—C. Bow Bells x Elongata—Fall 1½"
 3C-108—C. Bow Bells x Guttata Leopoldi—Fall 1½"
 3C-109—C. Amethystoglossa x Barbara Sander—Spring 2" 3"
 3C-110—C. Intermedia var. Seideliana x Lc. Keiki Belle—Spring, Summer 1½" 2"
 3C-111—C. Loddigessii x Intermedia Acquinii—Spring—Splashed Petals 1½" 2"
 3C-112—C. R. Prowe x L. Autumnalis—Fall 2" 3" 4"

⑩ CATTLEYA—LARGE FLOWERED LAVENDER

Our sole emphasis in breeding in this group is to produce exhibition quality and fine color. Many crosses are dark while others show gradual shading from dark to light. We are confident this stock is the equal of any being offered.

- 3C-113—Blc. Norman's Bay var. Bridges AMHOS x Lc. Supervia var. Tagawa—Dark purple—Fall 1½"
 3C-114—C. Tethys x Blc. Patrick Mizuta—Medium lavender—Winter 1½"
 3C-115—Lc. O'Dell Morgan x Lc. Windemere var. Tenney—Light lavender—Fall, Winter 3" 4"
 3C-116—Blc. Dr. Paul Nomura (Lc. Bocono x Blc. Wendell Hoshino)—Dark lavender—Winter 3"
 3C-117—Lc. Balkis var. Superva x Lc. South Esk. var. Ruby—Light, dark lip—Winter 3"
 3C-118—Lc. Cabazon x Lc. Ishtar FCCRHS—Light to medium—Winter 3"
 3C-119—Bc. Princess Patricia FCCRHS x Lc. Helen Wilmer var. Lines—Light—Fall, Winter 3"
 3C-120—Blc. Wake Island The Queen x Lc. Gitchie Manito—Medium—Fall 3"
 3C-121—Lc. Roy S. Collins x Lc. Invicta FCCRHS—Medium—Winter 3"
 3C-122—Lc. Britannia x Blc. Norman's Bay Extra Fine—Very dark—Fall, Winter 3"
 3C-123—Blc. Duval FCCAOS—Lc. Helen Wilmer x Blc. Norman's Bay Extra Fine—Medium to dark—Winter 1½"
 3C-124—Blc. Wendell Hoshino x Lc. Hyperion—Dark—Winter 1½"
 3C-125—Lc. Lustre Westonbirt x Blc. Norman's Bay var. Splendor—Dark—Fall, Winter 1½"
 3C-126—Lc. Indra var. Armacost x Lc. Walter Armacost var. Armacost—Medium—Winter 1½"
 3C-127—Lc. Valor AMHOS x Blc. Etta K. Kinley—Medium—Spring 1½"
 3C-128—Blc. Matriarch x Lc. Supervia var. Hoshino—Very dark—Fall, Winter 4"
 3C-129—Bc. Hartland 'Low' x C. Thita Tanimoto—Dark—Winter, Spring 4"
 3C-130—Lc. Indra x Blc. Frank Tatsumura var. Tsuruda—Medium dark—Winter 4"

No. 3C370

JOIN OUR ANTICIPATION CLUB . . .

"KEIKIS O HAWAII"

(BABIES OF HAWAII)

Each month a bundle of joy will be flown to you by air from Hawaii, with the stork's blessings. You may remit monthly, or be billed automatically. Prices include all costs delivered to your door.

PLAN A:

1½" pot size.....	Three per month at \$ 4.00 per month
2" pot size.....	Three per month at \$ 6.50 per month
3" pot size.....	Three per month at \$10.00 per month
4" pot size.....	Three per month at \$15.00 per month

Over the year it will include three each of all the popular genera we grow such as Vanda, Renanthera, Dendrobium, Phalaenopsis, Botanical Novelties, Cattleyas, Oncidiums, Miltonias, etc.

PLAN B:

Limited to Cattleya and Allied Genera only. Many people prefer only Cattleyas and their close allies. Here we will ship only plants in this group. Three plants each month. Prices based on size of plants.

1½" pot size.....	Three per month at \$ 5.00 per month
2" pot size.....	Three per month at \$ 7.00 per month
3" pot size.....	Three per month at \$10.00 per month
4" pot size.....	Three per month at \$17.50 per month

It will include a wide assortment of types and colors with varying seasons. A way to build an exhibition collection for the future.

PLAN C:

Limited to Spray Type Orchids only. Many people already have well rounded collections of Cattleyas. Hence, what they want is to build a collection devoted to the more unusual orchids to give spice to the Cattleyas.

1½" pot size.....	Three per month at \$ 4.00 per month
2" pot size.....	Three per month at \$ 6.50 per month
3" pot size.....	Three per month at \$10.00 per month
4" pot size.....	Three per month at \$15.00 per month

No. 3C371

Have You Tried Our

ORCHID PLANT-A-MONTH PLAN?

Get Prize Orchid Plants, personally selected for you by Wm. Kirch, at special low prices!

We've hit upon an easy, low cost way for you to start or add to your collection of prize orchid plants. We call it the, "Kirch Orchid Plant-A-Month Plan," and this is how it works.

You decide how much you want to spend each month—\$7.50, \$10.00, \$15.00 or \$25.00, including air shipment to the United States (Foreign orders—F.O.B. Honolulu)—and leave the rest to us. We'll carefully select choice hybrid Dendrobiums, Vandas, Cattleyas, Phalaenopsis and Botanicals. A different type and color each month . . . and ship it to you in bud, ready to flower shortly after you receive it. By ordering an orchid plant a month for a year, you'll not only accumulate a good selection of colors and variety but also you'll have an orchid plant in bloom every month of the next year.

"THE BEGINNER'S CORNER"

We realize all these big terms—names—are confusing—Don't forget all of us also once had our "first orchid."

If you are just starting—are cautious as to expense before you prove to yourself you can do it as well as the next fellow, why not take a look at these suggestions?

#1. Cattleya Hybrids are among the easiest of all orchids to begin with. We will send you one fully mature plant in a 4"-5" pot prepaid by airmail anywhere in the United States for \$6.95 or three plants for \$20.00—colors available: lavender—white—white, purple lip. Order by Catalog #3C-372.

#2. Cypripedium Hybrids make excellent plants to get your feet wet on. We will ship one mature plant for \$6.95 or three plants for \$20.00 prepaid by air anywhere in the United States. Order by Catalog #3C-373.

#3. We will combine any of the two above types—Cattleya or Cypripedium as you like. State how many of each same price \$6.95—3 for \$20.00 prepaid by air. Order by Catalog #3C-374.

#4. See our Plant A Month Plan. Catalog #3C-371.

#5. See our Keikis O Hawaii Plan. Catalog #3C-370.

11 CATTLEYA—SMALL FLOWERED LAVENDER

Breeding concentrates on intensity of color—large clusters or heads—and to a great degree a season of fall to winter when quality hybrids of this class are rare. We feel you will fully approve of these hybrids.

3C-131—C. Granday x C. Revel—Dark—Late Fall	1 1/2"
3C-132—C. Bowringiana x Blc. Wendell Hoshino—Dark—Late Fall	1 1/2"
3C-133—Lc. Wriget x Blc. Norman's Bay—Dark—Winter	1 1/2"
3C-134—Blc. Norman's Bay x C. Revel—Dark—Winter	1 1/2"
3C-135—Lc. Wriget x C. Elongata—Dark—Winter	1 1/2"
3C-136—Lc. Wriget x C. Revel—Dark—Winter	1 1/2" 2" 3" 4"
3C-137—Lc. Wriget x Lc. Granacity—Dark—Fall	4"
3C-138—Lc. Granacity x F. B. Chase—Dark—Fall	3" 4"
3C-139—Lc. Isotta x Lc. Gitche Manito var. Splendor—Dark—Fall	3" 4"
3C-140—C. Armando Planchard (Loddrigrella x Superba)—Royal purple—Fall	4"
3C-141—Lc. Randy (Lc. Balkis Superba x C. Rembrandt)—Dark—Fall	4"
3C-142—Lc. Hawaiian Sunset x C. Guttata—Dark—Fall	3" 4"
3C-143—Lc. Biceps x C. Revel—Dark—Winter	1 1/2" 2"
3C-144—Lc. Issy x L. Autumnalis—Dark—Fall, Winter	2" 3"

12 CATTLEYA—BLUE HYBRIDS

Blue is a rare color in Cattleyas. Breeding results are highly variable. We are offering five crosses that we believe have a good chance to produce some fine things in this color range.

3C-145—Lc. Eximia Blue x C. Intermedia var. Coerulea—Good blue—Summer	1 1/2"
3C-146—C. Intermedia Amethystiana x L. Purpurata var. Werkhauseri—Light blue—Spring	3"
3C-147—C. Intermedia Amethystiana x Intermedia Suavissima—Light blue—Spring	1 1/2"
3C-148—C. Intermedia Amethystiana x Self—White, blue lip—Spring	1 1/2"
3C-149—C. Enid Alba x L. Anceps Veitchiana—White, blue lip—Winter	4"

13 CATTLEYA—SELFED SPECIES

We grow from selected parents some blocks of selfed species. We have proven to our satisfaction that results obtained are far superior to the importation of wild species from their native habitats. If you like the species listed, this is a chance to acquire selected stock at a nominal cost.

3C-150—C. Guttata Alba Bracey Strain x Self—Clear green, white lip—Fall	1 1/2" 2"
3C-151—C. Aurantiaca x Self—Dark orange—Winter	3"
3C-152—C. Guttata Leopoldi x Self—Bronze spotted—Fall	1 1/2" 2 1/2"

15 EPIDENDRUM CROSSED TO CATTLEYA ALLIANCE

Hybrids involved in this section combine the genus Epidendrum with various other genera of the overall Cattleya section. For the most part the plants resemble Epidendrum in growth—but by combination with larger flowers greatly increase the size of flower and color range. They make beautiful pot plants and in many instances, provide flowers useful for cutting. They are very easy to grow.

3C-188—Epi. Phonicium x C. Bowringiana—Very dark purple—Fall, Winter	1 1/2"
3C-189—C. Bertii x Epi. Ionophlebium, major—Rose colored—Fall	1 1/2"
3C-190—C. Bowringiana Splendens x Epi. Mariae—Rose pink, large—Fall, Winter	1 1/2"
3C-191—C. Bowringiana x Epi. Cinnabarinum—Bronze, semi-tall—Fall	1 1/2"
3C-192—Epi. Mariae x C. Guttata Alba—Clear green, white lip—Winter	1 1/2"
3C-193—C. Henrietta Japhet x Epi. Gracile—White to flush—Spring	1 1/2" 2"
3C-194—Bc. Leemanae x Epi. Atropurpureum Roseum—Bronze lavender, large—Late Spring	1 1/2"
3C-195—C. Henrietta Japhet x Epi. Cinnabarinum—Clear yellow, semi-tall—Spring	1 1/2"
3C-196—C. Guatemalensis x Epi. Difforme—Green to yellow—Spring	1 1/2"
3C-197—C. Grandulosa x Epi. Stamfordianum—Green, many flowers—Spring	2" 3"
3C-198—Epi. Phonicium x C. Violacea—Dark purple—Fall	1 1/2" 2"
3C-199—Epi. Mabel Kanda x C. Intermediata—White to pink—Spring	1 1/2"
3C-200—L. Firefly x Epi. Ciliare—Red to orange—Winter	1 1/2"
3C-201—Bc. Veludosa x Epi. Tropic Haze—Yellow bronze—Spring	1 1/2"
3C-202 Epi. Cat. Ecstasy (C. R. Prowe x E. Atropurpureum Roseum)—Large flower, bronze purple—Spring	1 1/2" 2" 3" 5"
3C-203—C. Bertii x Epi. Plicatum—Dark pink—Fall	1 1/2"
3C-204—Epi. Brassovola x Blc. Dorothy Heller—Bronze purple—Fall	1 1/2" 2"
3C-205—S. Lyonsii Alba x Epi. Phonicium—Pink to flush white—Fall	2" 3"
3C-206—C. Harrisoniana x Epi. Atropurpureum—Dark pink—Spring	1 1/2"
3C-207—C. Dupreana x Epi. Mariae—Rose—Winter	1 1/2"
3C-208—C. Guttata x Epi. Biffidum—Bronze purple—Fall	1 1/2"
3C-209—C. Guttata x Epi. Phonicium—Chocolate—Fall	3" 4"
3C-210—C. Guatemalensis x Epi. Atropurpureum—Dark pink—Spring	3" 4"
3C-211—C. Priscilla Ward x Epi. Aromaticum—Green to white—Spring	3" 4"
3C-212—Lc. Isotta x Epi. Plicatum—Dark rose purple—Fall	3"
3C-213—Schom. Lyonsii x Epi. Biffidum—Rose pink—Fall	5"
3C-214—C. Bowringiana x Epi. Plicatum—Dark lavender—Fall	5"

3C-215—Epi. Biffidum x C. Bowringiana—Bronze lavender—Fall	3" 4" 5"
3C-216—Epi. Lee Ward x C. Bowringiana—Bronze purple—Fall	2" 3"
3C-217—Epi. Lee Ward x C. Venus—Yellow tones—Spring, Summer	2" 3"
3C-218—C. Guatemalensis x Epi. Fragrans—White to flush—Spring, Summer	4" 5"
3C-219—C. Bowringiana x Epi. Nocturnum—Pink—Fall	1 1/2" 2"

16 SCHOMBURGKIA HYBRIDS

By combining the genus Schomburgkia to other genera, we have produced excellent hybrids with a new approach to diversity of form, type of inflorescences, and color variation. Stems are quite long—and these are plants that need a fair amount of room to flower in. Where orchids can be grown outdoors, these are wonderful garden subjects.

3C-220—S. Lyonsii Alba x Self—Pure white—Fall	1 1/2"
3C-221—Sc. Harry Dunn x C. Bowringiana—Very dark lavender—Fall	6"
3C-222—S. Humboldtii x C. Skinneri Alba—White to pink—Spring	4"
3C-223—C. R. Prowe x Lyonsii Alba—Pure white—Fall	3" 4"
3C-224—Sc. Harry Dunn x Sc. Radians—Bronze purple—Fall	3" 4"
3C-225—Sc. Harry Dunn x C. Violacea Superba—Dark purple—Winter	4" 5"
3C-226—L. Anceps x S. Lyonsii Alba—White to pink—Winter	4"
3C-227—S. Lyonsii x Epi. Biffidum—Bronze—Fall	4"
3C-228—Sc. Curlyhead x C. R. Prowe—Pink—Fall	1 1/2"
3C-229—S. Thompsoniana x C. Henrietta Japhet—White to pink—Spring	1 1/2" 2"
3C-230—C. Guitata Leopoldi x S. Lyonsii—Dark yellow bronze—Fall	4" 5" 6"
3C-231—S. Lyonsii x L. Autumnalis—Dark purple—Fall	4" 5"
3C-232—Lc. Golden Gate x S. Lyonsii—Yellow bronze—Fall	5" 6"
3C-233—Epi. Biffidum x Sc. Poni—Bronze lavender—Fall	5" 6"

17 EPIDENDRUM

Hybrids created among the genus Epidendrum. Plants are much more vigorous and free flowering than the species and have a greatly extended color range. You are sure to like these as pot plants.

3C-234—Plicatum x Dichromum—Bronze pink—Spring	3"
3C-235—Fragrans x Cassilabium—White to green—Spring	3" 4"
3C-236—Orange Prince (Psuedoepidendrum x Cinnabarinum)—Green and orange—Variable	3" 4"
3C-237—Gail Nakagaki x Tampense—Rose pink—Spring	1 1/2" 2"
3C-238—Brownie x Aromaticum—Light rose—Spring	1 1/2" 2"
3C-239—Aromaticum x Oncidiodes—Light yellow to bronze—Spring	1 1/2"

3C-240—Aromaticum x Selligerum—			
Pink rose—Spring	1½"	2"	
3C-241—Atropurpureum x Brownie—			
Rose purple—Spring	1½"	5"	
3C-242—Riatea (Atropurpureum x Selligerum)—			
Dark rose—Spring		1½"	
3C-243—Plicatum x Nemorale—			
Pink—Spring	3"	4"	
3C-244—Aromaticum x Brevifolium—			
White to green—Spring	2"	3"	
3C-245—Altissimum x Purplexum—			
Rose purple to white—Spring		4"	
3C-246—Candolieri x Aromaticum—			
Rose—Spring	2"	3"	4"
3C-247—Phonecium x Plicatum—			
Dark purple—Fall		2"	
3C-248—Nakagaki x Atropurpureum			
Dark purple—Spring	2"	3"	4"
3C-249—Brownie x Olorosum—Bronze—Spring			5"
3C-250—Selligerum x Brownie—Bronze—Spring			5"
3C-251—Ionophlebium x Atropurpureum—			
Rose color—Winter			5"
3C-252—Atropurpureum x Memorale—			
Dark pink—Spring			5"
3C-253—Brownie x Nemorale—Dark pink—Spring			5"
3C-254—Profusum x Self—Huge spikes	3"	4"	
3C-255—Radiatum x Vitelinum majus—			
Orange—Spring		3"	

⑱ CATTLEYA x DIACRIUM

Beautiful Hybrids. Very fragrant and with most pleasing conformation. Colors are very soft and delicate. A fine hybrid section.

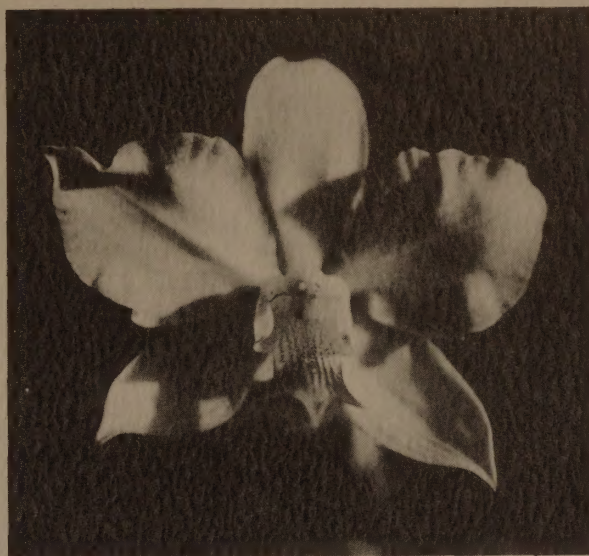
3C-256—C. Intermedia Alba x Dc. Fascination—			
Light pink—Winter	1½"		
3C-257—C. Bowringiana var. Splendens x D. Bicornutum—			
Rose purple—Fall	1½"		
3C-258—C. Gail Ann x Dc. Fantasy—			
Pastel pink—Spring	1½"		
3C-259—C. R. Prowe x Dc. Fantasy—			
Pale pink—late Winter	3"	4"	
3C-260—Dc. Chastity (C. Granulosa x D. Bicornutum)—			
White to pink—Spring	3"	4"	
3C-261—Dc. Pink Glory (C. Amethystoglossa x D. Bicornutum)—			
Rose pink—Spring	3"	4"	
3C-262—D. Bicornutum x C. Gattton Ruby var. Acquinii—			
Purple splashed petals—Spring	2"		
3C-263—C. Priscilla Ward x D. Bicornutum—			
Green to white—Spring	1½"	2"	
3C-264—D. Bicornutum x C. Intermedia Alba—			
Pure white to pink—Spring	2"	3"	4"
3C-265—L. Firefly x D. Billamellatum—			
Orange-red-white—Spring		3"	
3C-266—Epi. Difforme x D. Bicornutum—			
Green to white—Spring	1½"	2"	

⑲ TERETE BRASSOVOLA CROSSES

By using the cute little terete forms of the genus Brassovola crossed to Cattleya, we have produced a remarkable pot plant. These make real gems when built into specimen plants.

3C-267—Sl. Psyche x B. Nodosa—			
Red to orange—Winter	1½"		
3C-268—Bc. Veludosa x B. Digbyano—			
Yellow to cream—Summer	3"	4"	

3C-269—B. Cordata x C. Bowringiana—			
Dark purple—Fall		4"	
3C-270—Bc. Binosa (B. Nodosa x C. Bicolor)—			
Yellow to bronze—Spring	1½"		



DC. CHASTITY
(See 3C-260)

3C-271—C. R. Prowe x B. Cuculata—			
White to pink—Winter	1½"		
3C-272—B. Nodosa x C. Bowringiana—			
Lavender—Fall	4"		



EPIDENDRUM x CATTLEYA ALLIANCE
(See 3C-188—3C-219)

L. FLAVA TYPE HYBRIDS (See 3C-20—3C-21)





GROUP CYPRIPEDIUM HYBRIDS (See 3C-153—3C-187)

⑭ CYPRIPEDIUM

CYPRIPEDIUM HYBRIDS

For both cut flower use and plant display the Cypripedium Hybrids are unrivaled. They are also among the easiest of all orchids to grow in the home where one does not have a greenhouse. Flowers are exceptionally long lasting and as they flower primarily during late Fall—Winter—to early Spring, they are a welcome sight when most other flowers are non-existent. Pot in a rich organic compost—Keep moist at all times—50% shade—Fertilize once a week with any good liquid fertilizer except during mid-winter and dull days. Plants average 3-4 growths per five inch pot.

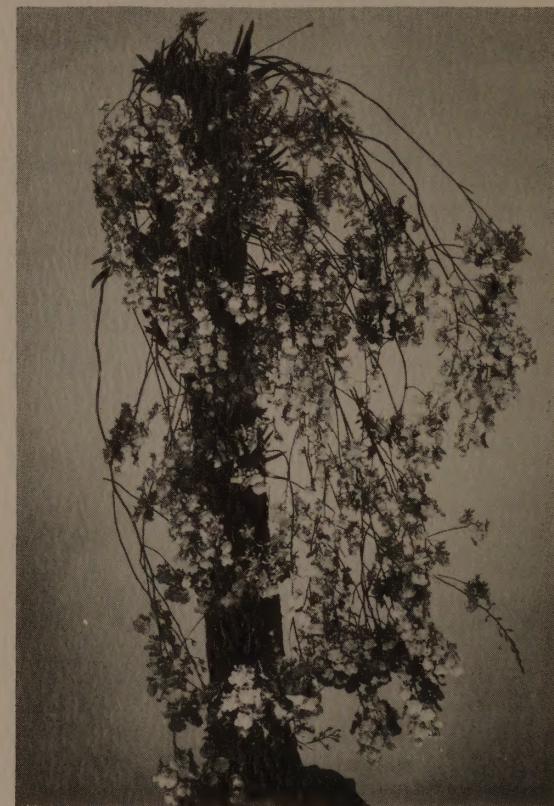
- 3C-153—Dillys var. Extra (Adorn x Etta)—
Spotted green and brown 5"
3C-154—Mauretania (Alcibiades x F. M. Ogilive)—
Spotted 5"
3C-155—Alcibiades var. Magnificum (Leeanum x Mons.
de Curte)—White and brown 5"
3C-156—Redstart var. Nubion AMRHS—Red 5"
3C-157—Imperial (Andromache x Fairlight)—
Green mahogany to mahogany painted green 5"
3C-158—Theresa, Best var. (Selma x Swallow)—
Mahogany, spotted 5"

- 3C-159—Sanacderae var. Theresa (Insigne Sanderae x
San Actaeus)—Green 5"
3C-160—Eurybiades (Alcibiades x Hera)—
Light mahogany, green spotted 5"
3C-161—Oscar Sherman (Jasmine x Walter Moore)—
Yellow, mahogany spotted to green tan 5"
3C-162—Winifred Choice var. —(Balbus x Gold Mohur)
—Brown spotted 5"
3C-163—Leyburnense var. Magnificum (Royal George x
Sir. Redvers Buller)—Red 5"
3C-164—Macaw var. Monarch (Jura x Swallow)—
Mahogany spotted 5"
3C-165—Mem. J. H. Walker (Lady Dillon x Cardinal
Mercier)—Mahogany 5"
3C-166—Helem (Bailing Hill x Worsleyi)—
Mahogany spotted 5"
3C-167—Firebrand (Balaclava x Cardinal Mercier)—
Light brown spotted 5"
3C-168—Marion, Westonbirt var. (Marne x Scipio)—
Brown, green spotted 5"
3C-169—Rameses var. Pyramid (Cyclops x Hadrain)—
Light mahogany spotted 5"
3C-170—Semiramus (Juliet x Lady Phumoni)—
Mahogany spotted 5"
3C-171—Angeles Luscombe (Cardinal Mercier x Chard-
more)—Mahogany green, spotted 5"
3C-172—Dervish (Bordube x Grace Darling)—
Yellow green 5"
3C-173—Cyclops, Westonbirt var. AMRHS (Actaeus x
Fulshawense)—Light mahogany spotted 5"
3C-174—Warrior, Green's var. (Alcibiades x Lord Wol-
mer)—Brown spotted 5"

- 3C-175—Makeda (Charlotte Dillon x Lady Dillon)—
Light mahogany spotted 5"
3C-176—Reindeer (Golden Eagle x Viking)—
Mahogany green 5"
3C-177—Our Prince AMRHS—(Goliath x Tommy Curte)
—Mahogany spotted 5"
3C-178—Doris Black (Florence Spendor x Golden Wren)
—Yellow green 5"
3C-179—Undine var. Imperial (Elaine x Moonbeam)—
Green yellow 5"
3C-180—Cordelia (Fowlerianum x Insigne)—
Light brown—Green 5"
3C-181—Bahram var. Exquisitum (Anita x Grace Darling)
—Green 5"
3C-182—Martin, Westonbirt var. (Bourton Lady x Swal-
low)—Mahogany spotted 5"
3C-183—Ansun (Anita x Sunbeam)—Yellow 5"
3C-184—Albacord (J. M. Black x Molock II)—
Brown spotted 5"
3C-185—Bruno var. Model AMRHS (Leeanum x Spicer-
ianum)—White, purple staminode 5"
3C-186—Seamew (Troilus x Mrs. Carey Balten)—
Green spotted 5"
3C-187—Elaine var. Snowdrift—Yellow green 5"

MINIATURE ONCIDIUMS

(See 3C-282—3C-303)



20 ONCIDIUMS LARGE

These are known as the "Dancing Lady Orchids." They are ideal either as cut flowers or display plants. Exceptionally easy to grow.

3C-273—Ampliatum majus var. Kodama x Self— Huge spikes, yellow—Fall	3"	
3C-274—Luridum 'Clear Yellow' x Self— Green yellow—Winter	1 1/2"	
3C-275—Sultamyre x Varicosum— Bright yellow—Spring	3"	
3C-276—Brazil x Varicosum— Canary yellow—Spring	2"	3"
3C-277—Isthmii x Varicosum Rogersii— Bright yellow—Spring	1 1/2"	2"
3C-278—Ornithogae x Barbatum— Dark brown—Fall	1 1/2"	2"
3C-279—Faye x Lanceanum—Bronze purple—Fall	1 1/2"	
3C-280—Montanum x Varicosum— Yellow and brown—Winter	1 1/2"	
3C-281—Sprucei x Splendidum— Yellow and brown—Winter	3"	

21 MINIATURE ONCIDIUMS

These are the true miniature gems of the orchid world. It took Mr. W. W. G. Moir to discover and prove their worth. His breeding in this section has made fantastic progress in the years that he has devoted to it. We are indeed very proud to offer these to you, and believe it to be the most complete offering to be found anywhere in the world today! Culture, the same as the large plants but remember, they are little fellows and like much less of everything in the way of pot size, water, fertilizer than do their big brothers. They like light and can stand an amazing amount of dryness.

3C-282—Intermedium x Barahonense— Yellow—Variable	2"	3"
3C-283—Golden Glow x Triquetrum— Copper shades—Fall	3"	
3C-284—Jamaica x Pink Haite— Pink and black—Winter	3"	
3C-285—Helen Brown (Triquetrum x Variegatum)— White and brown—Summer to Fall	2"	3"
3C-286—Erma Warne (Urophyllum x Pulchellum)— Yellow, pink flush—Winter	3"	
3C-287—Triquetrum x Henekenii— Red and black—Fall	1 1/2"	
3C-288—Anna Rosa x Bernice Dark pink—Spring	1 1/2"	
3C-289—Helen Brown x Variegatum White and brown—Spring	1 1/2"	2" 3"
3C-290—Delight x Bernice—Pink—Spring	1 1/2"	2"
3C-291—Variegatum x Pulchellum— White to pink—Fall	1 1/2"	2" 3"
3C-292—Henekenii x Triquetrum— Red bronze—Fall	1 1/2"	
3C-293—Delight x Triquetrum— Dark pink—Fall	1 1/2"	2" 3"
3C-294—Pulchellum x Bernice— Dark pink—Fall	1 1/2"	
3C-295—Pastel x Pulchellum— Dark pink—Fall	1 1/2"	

3C-296—Bernice x Intermedium— Bronze pink—Fall	1 1/2"	
3C-297—Delight (Pulchellum x Henekenii)— Pink and black—Winter	1 1/2"	2"
3C-298—Waikiki Sunset x Pink Haite— Pastel shades—Spring	3"	
3C-299—Agnes Ann x Pulchellum—Pink—Fall	3"	
3C-300—Triquetrum x Bernice—Red pink—Fall	3"	
3C-301—Flexuosum x Triquetrum— Yellow to brown—Fall	1 1/2"	
3C-302—Cabagrae x Triquetrum— Brown and yellow—Winter	1 1/2"	
3C-303—Pulchellum x Gardneri— Large flower, bronze—Winter	3"	

22 BRASSIA, BRACIDIUM, MILTASSIA

The genus Brassia and its combination with Oncidium to create Bracidium and with the genus Miltonia to create Miltassia are a fascinating group of orchids. Large flowers, interesting colors and tremendous vigor of growth.

MILTASSIA

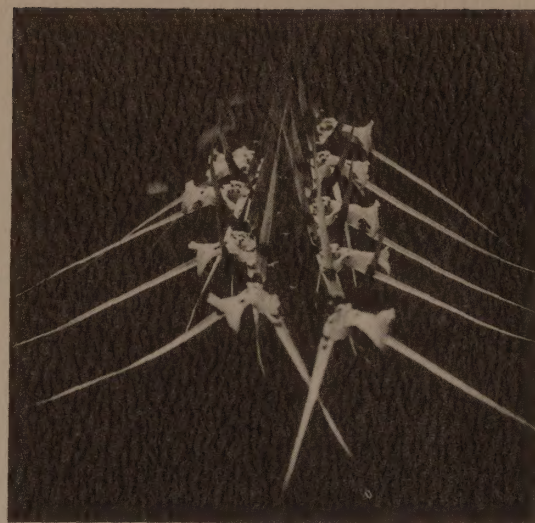
3C-304—B. Braciata x M. Bluntii— Bronze purple—Spring	2"	3"
3C-305—M. Warscewiczii x B. Braciata— Red and green—Winter	2"	3"
3C-306—B. Braciata x M. Moreliana— Purple and brown—Spring	2"	3"
3C-307—M. Warscewiczii x B. Caudata— Red and green—Spring to Summer	1 1/2"	2"
3C-308—B. Maculata x M. Goodale Moir— Pink and green—Fall	1 1/2"	2" 3"
3C-309—M. Festiva x B. Verrucosa— Brown—Spring	1 1/2"	
3C-310—B. Maculata x M. Wm. Kirch— Pink, flushed green—Spring	3"	4"

BRASSIA

3C-311—Verrucosa grandiflora x Gireoudiana majus— Green and brown, very large—Fall	3"	4" 5"
3C-312—Verrucosa x Longissima— Green and brown—Summer		4"
3C-313—Gireoudiana x Maculata— Cream, spotted—Spring	4"	5"
3C-314—Chloroleuca x Maculata— Green and brown—Summer		6"
3C-315—Gireoudiana (species)— Green and dark brown—Summer		4"
3C-316—Verrucosa (species)— Pale green—Fall	3"	4"
3C-317—Longissima (species)— Straw brown—Spring		4"
3C-318—Maculata (species)— Dark brown—Summer	3"	4"

BRACIDIUM

3C-319—B. Gireoudiana x O. Macranthus var. Splendens— Green yellow—Spring	1 1/2"	2" 3"
3C-320—B. Gireoudiana x O. Marshallianum— Green yellow—Winter		1 1/2"
3C-321—B. Gireoudiana x O. Varicosum— Dark yellow—Spring		1 1/2"
3C-322—O. Wentworthii x B. Gireoudiana— Yellow—Spring	5"	6"



BRASSIA GIREOUDIANA

(See 3C-315)



MILTASSIA MARDI GRAS

(See 3C-304—3C-310)

23 MILTONIA, ODONTONIA, MILTONIDIUM AND ODONTOCIDIUM

All of the crosses of the genus *Miltonia* and its combination with *Odontoglossum* to create *Odontonia* and *Oncidium* to create *Miltonidium* offered in this list have as at least one parent a warm growing type. Hence these hybrids are perfectly compatible with *Cattleya* without the necessity to create "cool house" conditions that usually are required for members of these genera. Furthermore, all of the warm *Miltonias* make good cut flowers and unlike the "cool types" do not immediately wilt when cut. We are also able to offer crosses between the cool and warm groups. We have not seen results from these crosses but feel they offer a great potential.

MILTONIA

- 3C-323—*Spectabilis* x *Regnellii*—
White and pink—Spring 1 1/2" 2" 3"
3C-324—*Spectabilis* var. *Lineata* x *Regnellii*—
Yellow and rose—Spring 1 1/2"
3C-325—*Spectabilis* x *Candida*—
White and pink—Fall 1 1/2"
3C-326—*Anne Warne* x *Candida*—
Dark purple—Fall 1 1/2"
3C-327—*Clowessii* x *Cogniauxiae*—
Rose—Summer, Fall 1 1/2"
3C-328—*Spectabilis* x *Wm. Kirch*—
Yellow and pink—Spring 3"
3C-329—*Bluntii* x *Regnellii*—
Pink and white—Spring 4"
3C-330—*Purple Queen* (*Moreliana* x *Russelliana*)—
Dark purple—Fall 3" 4"
3C-331—*Alderwood* x *Warscewiczii*—
Dark red, pink—Winter, Spring 1 1/2" 2" 3"
3C-332—*Warscewiczii* x *Warscewiczii*—
Rose pink—Spring 1 1/2"

MILTONIDIUM

- 3C-333—*M. Goodale* Moir x *O. Macranthum*—
Yellow and brown—Spring 2" 3"
3C-334—*M. Purple Queen* x *O. Varicosum*—
Dark red—Spring 1 1/2"
3C-335—*Jack Pot* (*M. Warscewiczii* x *O. Varicosum*)—
Red and yellow—Spring 2" 3"
3C-336—*M. Festiva* x *O. Leuchochilum*—
Cream, spotted—Winter to Spring 1 1/2" 2" 3" 4"
3C-337—*M. Bellingham* x *O. Varicosum*—
Dark yellow—Winter 1 1/2"
3C-338—*M. Blueana* x *O. Incurvum*—
Dark pink to red—Winter to Spring 1 1/2"
3C-339—*M. Warscewiczii* x *O. Kultane*—
Red to bronze—Spring 1 1/2"
3C-340—*M. Myosa-Emotion* x *O. Altissimum*—
Yellow and brown—Spring 1 1/2"
3C-341—*M. Surprise* x *O. Lanceanum*—
Yellow, pink and purple—Spring 1 1/2" 2"
3C-342—*M. Warscewiczii* x *O. Lenafena*—
Red to bronze—Spring 1 1/2" 2"
3C-343—*M. Spectabilis* x *O. Macranthum*—
Cream and purple—Spring 1 1/2"
3C-344—*O. Aloisii-Stenotis* x *M. Warscewiczii*—
Dark red—Spring 1 1/2"
3C-345—*M. Festiva* x *O. Varicosum*—
Yellow—Winter 1 1/2"

- 3C-346—*O. Maculata* x *Milt. Lee Hirsch*—
Pale yellow, spotted—Spring 1 1/2"

ODONTONIA

- 3C-347—*Debutante* (*M. Warscewiczii* x *O. Cariniferum*)—
Dark red, pink—Various 4"
3C-348—*M. Warscewiczii* x *O. Calypso Moon*—
Red and yellow—Spring 1 1/2" 2" 3"
3C-349—*M. Warscewiczii* x *O. Cirrohosum*—
Pink—Spring 1 1/2" 2"
3C-350—*O. Debutante* x *O. Calypso Moon*—
Yellow to red—Spring 1 1/2"
3C-351—*M. Warscewiczii* x *O. Schliperianum*—
Red, large flower—Winter 1 1/2"
3C-352—*O. Debutante* x *M. Warscewiczii*—
Rose pink, fine spike—Spring 1 1/2"
3C-353—*M. Bluntii* x *O. Wonder*
Rose purple—Spring 1 1/2"
3C-354—*M. Anne Warne* x *O. Wonder*—
Dark purple—Spring 1 1/2"

ODONTOCIDIUM

- 3C-355—*O. Cariniferum* x *Onc. Leuchochilum*—
White with rose—Fall 1 1/2"
3C-356—*O. Cordatum* x *Onc. Forbesii*—
Dark bronze—Winter 1 1/2"
3C-357—*Onc. Hastatum* var. *Stelligerum* x *O. Calypso Moon*—
Yellow to green—Spring 1 1/2"

24 OTHER INTERGENERIC ONCIDIUM ALLIANCE CROSSES

These are the rare crosses. Most of them were only possible to produce due to our advanced methods of embryo culture. In this group may well come many of the stud plants of the future. This should appeal to those of you that really want the unusual—different orchids. Descriptions are to the best of our knowledge but we frankly admit that in some of these combinations, anything could happen.

- 3C-358—*Bracidium Coronet* x *Miltonidium Lustre*—
Yellow and brown—Summer and Fall 2" 3"
3C-359—*Odontoglossum Bictonense* x *Miltonidium Lee Hirsch*—
Cream with rose—Winter 1 1/2" 2"
3C-360—*Milpassia Spectacular* x *Miltonia Anne Warne*—
Dark purple—Spring 1 1/2" 2"
3C-361—*Miltonia Festiva* x *Odontocidium Hermon Slade*—
Pink and white—Winter 1 1/2"
3C-362—*Odontonia Debutante* x *Onc. Leuchochilum*—
Pink spotted—Spring 1 1/2"
3C-363—*Rodricidium Norna Faye* (*O. Brazil* x *R. Secunda*)—
Pale yellow—Winter 3"

25 MISCELLANEOUS

This is a group of unusual plants that don't fit with any group as to breeding. Culture is compatible to *Cattleya* conditions.

- 3C-364—*Chysis Bractescens* (species)—
Clear wax white—Winter 1 1/2"
3C-365—*Trichocentrum Fuscum* x *Tigrinum*—
Bronze spotted—Fall 3"
3C-366—*Rodridenia Red Gem.* (*R. Secunda* x *M. Brasso-volae*)—
Blood red, dwarf plant—Winter 3"
3C-367—*M. Spectabilis* x *Rod. Venusta*—
White and purple—Spring 3"
3C-368—*Tetramica Caniculata* x *Laeliopsis Domingensis Alba*—
Pink to white dwarf—Spring 1 1/2" 2" 3"
3C-369—*Broughtonia Sanguinea* x *Tetramica Caniculata*—
Red, very dwarf—Spring 1 1/2"



MILTONIA REGNELLII

(See 3C-323—3C-324—3C-329)

ODONTONIA DEBUTANTE (See 3C-347)



HAWAIIAN ANTHURIUM HYBRIDS

3C-375—*Andreanum Hybrids*. These are the large flowers you see in the florist's window. They make wonderful cut flowers. All sizes offered are flowering size. Colors: Blood red, red, pink, and orange. (Note: Cannot be shipped to California, Arizona and Louisiana.)

- | | |
|--|----------------|
| Blood red | Flowering Size |
| Other Colors | Flowering Size |
| 3C-376— <i>Andreanum</i> —Pure white. Quite rare and much desired | Flowering Size |
| 3C-377— <i>Anthurium Hoffmanii</i> —Copper sheen to foliage | 5" |
| 3C-378— <i>Anthurium Magnificum</i> —Marked with silver in foliage | 5" |

Wm. KIRCH Orchids, Ltd.
United States Price List for 1963 Catalogue Prepaid by Air Mail

Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price
3C-1	1½"	\$ 2.25	3C-28	3"	\$ 5.00	3C-55	3"	\$ 4.50	3C-81	1½"	\$ 2.25	3C-111	1½"	\$ 1.75	3C-140	4"	\$ 5.00	3C-171	5"	\$15.00
3C-2	1½"	2.25	3C-29	3"	5.00		4"	7.50	3C-82	1½"	2.25		2"	2.50	3C-141	4"	10.00	3C-172	5"	15.00
3C-3	1½"	2.00	3C-30	1½"	2.00	3C-56	1½"	2.00	3C-83	1½"	2.25	3C-112	2"	2.00				3C-173	5"	15.00
	2"	3.50				3C-57	1½"	2.00				3"	3.50	3C-142	3"	4.50				
	3"	4.50	3C-31	1½"	1.75		2"	3.50	3C-84	1½"	2.25		4"	5.00		4"	7.50	3C-174	5"	18.50
	4"	7.50		3"	2.50		3"	4.50	3C-85	1½"	2.00	3C-113	1½"	2.25	3C-143	1½"	1.75	3C-175	5"	22.50
3C-4	1½"	2.25		4"	5.00	3C-58	3"	5.00				2"	2.50		2"	2.50				
3C-5	3"	4.50	3C-32	1½"	2.00	3C-59	3"	3.50	3C-86	1½"	2.00	3C-114	1½"	2.00	3C-144	2"	2.00	3C-176	5"	22.50
				3"	4.50		4"	5.00	3C-87	1½"	2.00		3"	4.00		3"	3.50	3C-177	5"	22.50
3C-6	1½"	2.00	3C-33	1½"	2.00	3C-60	4"	8.50	3C-88	1½"	2.00	3C-115	4"	6.50	3C-145	1½"	2.25	3C-178	5"	22.50
3C-7	1½"	2.25		3"	4.50	3C-61	4"	7.50	3C-89	1½"	2.00	3C-116	3"	5.00	3C-146	3"	7.50	3C-179	5"	22.50
3C-8	1½"	2.25	3C-34	1½"	2.00	3C-62	3"	5.00	3C-90	1½"	2.00		3"	5.00	3C-147	1½"	2.00	3C-180	5"	30.00
3C-9	1½"	2.25	3C-35	1½"	2.00	3C-63	4"	10.00	3C-91	1½"	2.25	3C-117	3"	5.00	3C-148	1½"	2.00	3C-181	5"	17.50
3C-10	1½"	2.25	3C-36	1½"	2.00		4"		3C-92	1½"	2.25	3C-118	3"	5.00	3C-149	4"	7.50	3C-182	5"	10.50
3C-11	1½"	2.25		2"	3.50	3C-64	1½"	2.00	3C-93	1½"	2.00	3C-119	3"	4.50	3C-150	4"	7.50	3C-183	5"	17.50
				3"	4.50		2"	3.50	3C-94	1½"	2.25	3C-120	3"	4.50	3C-151	1½"	2.25	3C-184	5"	12.50
3C-12	1½"	2.00	3C-37	1½"	2.00		3"	4.50	3C-95	1½"	2.25	3C-121	3"	4.50	3C-152	2"	3.50	3C-185	5"	30.00
	3"	4.50	3C-38	2"	3.50	3C-65	1½"	2.25	3C-96	1½"	2.00	3C-122	3"	5.00	3C-153	3"	4.50	3C-186	5"	10.50
	4"	7.50		3"	4.50		2"	3.50		2"	3.50	3C-123	1½"	2.25	3C-154	2½"	3.50	3C-187	5"	20.00
3C-13	1½"	2.25	3C-39	1½"	2.00	3C-66	1½"	2.00	3C-97	1½"	2.00	3C-124	1½"	2.25	3C-155	3"	4.50	3C-188	1½"	2.00
3C-14	4"	7.50	3C-40	1½"	2.00		2"	2.50		3"	4.50	3C-125	1½"	2.25	3C-156	3"	4.50	3C-189	1½"	2.00
3C-15	1½"	2.25	3C-41	1½"	2.25	3C-67	1½"	2.00	3C-98	1½"	2.00	3C-126	1½"	2.00	3C-157	4"	7.50	3C-190	1½"	2.00
3C-16	1½"	2.00	3C-42	1½"	2.00		2"	3.00		2"	3.50	3C-127	1½"	2.00	3C-158	4"	7.50	3C-191	1½"	2.00
	2"	3.50		2"	3.50	3C-68	1½"	2.00	3C-99	1½"	2.00	3C-128	4"	7.50	3C-159	4"	10.00	3C-192	1½"	2.00
	3"	4.50	3C-43	1½"	2.00		2"			3"	4.50	3C-129	4"	7.50	3C-160	4"	10.00	3C-193	1½"	2.00
	4"	7.50	3C-44	1½"	1.75	3C-69	1½"	2.00	3C-100	1½"	2.00	3C-130	4"	10.00	3C-161	4"	10.00		2"	3.50
3C-17	1½"	2.00	3C-45	1½"	1.75	3C-70	1½"	1.75	3C-101	1½"	2.00	3C-131	1½"	1.75	3C-162	5"	12.50	3C-194	1½"	2.00
3C-18	1½"	2.00	3C-46	1½"	1.75	3C-71	1½"	2.00	3C-102	1½"	2.00	3C-132	1½"	1.75	3C-163	5"	12.50	3C-195	1½"	2.00
3C-19	1½"	2.00		2"	2.50	3C-72	3"	4.50	3C-103	3"	4.50	3C-133	1½"	1.75	3C-164	5"	12.50			
3C-20	1½"	2.00		3"	4.00		4"	7.50	3C-104	1½"	1.75	3C-134	1½"	1.75	3C-165	5"	12.50	3C-196	1½"	2.00
3C-21	1½"	2.00		4"	6.50	3C-73	2"	3.50	3C-105	1½"	1.75	3C-135	1½"	1.75	3C-166	5"	15.00	3C-197	2"	3.50
3C-22	1½"	2.00	3C-47	1½"	2.25		3"	5.00	3C-106	1½"	1.75	3C-136	1½"	1.75	3C-167	5"	15.00		3"	5.00
	2"	3.50	3C-48	1½"	2.25	3C-74	1½"	2.25	3C-107	1½"	1.75		2"	2.50	3C-168	5"	15.00	3C-198	1½"	2.00
3C-23	3"	4.50	3C-49	1½"	2.25	3C-75	1½"	2.25	3C-108	1½"	1.75	3C-137	2"	2.50	3C-169	5"	15.00			
	4"	7.50	3C-50	1½"	2.25	3C-76	1½"	2.25	3C-109	2"	2.50		3"	4.50	3C-170	5"	15.00	3C-199	1½"	2.00
3C-24	3"	5.00	3C-51	1½"	2.75	3C-77	1½"	2.25		3"	4.00	3C-138	4"	7.50						
	4"	10.00	3C-52	1½"	2.25	3C-78	1½"	2.25	3C-110	1½"	1.75	3C-139	4"	7.50	3C-171	5"	15.00	3C-200	1½"	2.00
3C-25	4"	7.50	3C-53	5"	17.50	3C-79	1½"	2.25		2"	2.50				3C-172	5"	15.00	3C-201	1½"	2.00
3C-26	3"	4.50	3C-54	4"	7.50	3C-80	1½"	2.25		3"	4.00									
	4"	7.50					2½"	4.50		2"	2.50									
3C-27	3"	5.00																		

Wm. KIRCH Orchids, Ltd.

United States Price List for 1963 Catalogue Prepaid by Air Mail

Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price
3C-202	1½"	\$ 2.00	3C-227	4"	\$ 5.00	3C-249	5"	\$ 7.50	3C-277	1½"	\$ 2.00	3C-304	3"	\$ 5.00	3C-329	4"	\$ 7.50	3C-355	1½"	\$ 2.00
	2"	3.50								2"	3.50									
	3"	5.00	3C-228	1½"	1.50	3C-250	5"	7.50	3C-305	2"	3.50	3C-330	3"	5.00	3C-356	1½"	2.00	3C-356	1½"	2.00
	5"	12.50								3"	5.00		4"	7.50	3C-357	1½"	2.00	3C-357	1½"	2.00
3C-203	1½"	2.00	3C-229	1½"	1.50	3C-251	5"	7.50	3C-278	1½"	1.75	3C-306	2"	3.50	3C-331	1½"	2.00	3C-358	2"	3.50
				2"	2.50	3C-252	5"	7.50		2"	2.50		3"	5.00		2"	3.50		3"	5.00
3C-204	1½"	2.00	3C-230	4"	5.00	3C-253	5"	10.00	3C-279	1½"	2.00	3C-307	1½"	2.00	3C-332	1½"	2.00	3C-359	1½"	2.00
	2"	3.50		5"	7.50					2"	2.00		2"	3.50		2"	3.50		2"	3.50
				6"	10.00	3C-254	3"	3.50	3C-281	3"	3.50	3C-308	1½"	2.00	3C-333	2"	3.50	3C-360	1½"	2.00
3C-205	2"	3.50	3C-231	4"	5.00		4"	5.00	3C-282	2"	3.50		2"	3.50		3"	5.00		2"	3.50
	3"	4.50		5"	7.50	3C-255	3"	5.00		3"	5.00		3"	5.00	3C-334	1½"	2.00		2"	3.50
3C-206	1½"	2.00	3C-232	5"	5.00	3C-256	1½"	1.50	3C-283	3"	5.00	3C-309	1½"	2.00	3C-335	2"	3.50	3C-361	1½"	2.00
3C-207	1½"	2.00		6"	7.50	3C-257	1½"	1.75	3C-284	3"	5.00		4"	7.50		3"	5.00	3C-362	1½"	2.00
3C-208	1½"	2.00	3C-233	5"	5.00	3C-258	1½"	1.50	3C-285	2"	3.50	3C-310	3"	5.00	3C-336	1½"	2.00	3C-363	3"	4.50
				6"	7.50	3C-259	3"	3.50		3"	5.00		4"	7.50		2"	3.50	3C-364	1½"	2.00
3C-209	3"	4.50	3C-234	3"	3.50	3C-260	3"	3.50	3C-286	3"	5.00	3C-311	3"	3.50		3"	5.00	3C-365	3"	5.00
	4"	7.50		4"	5.00		4"	5.00					4"	5.00		4"	7.50			
3C-210	3"	4.50	3C-235	3"	3.50	3C-261	3"	3.50	3C-287	1½"	2.00	3C-312	4"	7.50	3C-337	1½"	2.00	3C-366	3"	5.00
	4"	7.50		4"	5.00	3C-262	2"	2.50	3C-288	1½"	2.00	3C-313	4"	5.00	3C-338	1½"	2.00	3C-367	3"	5.00
3C-211	3"	4.50	3C-236	3"	3.50		4"	5.00	3C-289	1½"	2.00		5"	7.50	3C-339	1½"	2.00	3C-368	1½"	2.00
	4"	7.50		4"	5.00	3C-263	1½"	1.50		2"	3.50	3C-314	6"	10.00		2"	3.50		2"	3.50
3C-212	3"	4.50	3C-237	1½"	1.50		2"	2.50		3"	5.00	3C-315	4"	5.00	3C-340	1½"	2.00		3"	5.00
3C-213	5"	7.50		2"	2.50	3C-264	2"	2.50	3C-290	1½"	2.00	3C-316	3"	3.50	3C-341	1½"	2.00	3C-369	1½"	2.00
3C-214	5"	7.50	3C-238	1½"	1.75		2"	2.50		2"	3.50		4"	5.00	3C-342	1½"	2.00	3C-375	Blood	
3C-215	3"	4.50		2"	2.75	3C-265	3"	3.50	3C-291	1½"	2.00	3C-317	4"	5.00		2"	3.50		Red	2.50
	4"	6.50	3C-239	1½"	1.75		4"	5.00		2"	3.50				3C-343	1½"	2.00		(Flowering size)	
	5"	7.50	3C-240	1½"	1.50	3C-266	1½"	1.50	3C-292	1½"	2.00	3C-318	3"	3.50	3C-344	1½"	2.00		Other	
				2"	2.50		2"	2.50		2"	3.50		4"	5.00		2"	3.50		colors	3.50
3C-216	2"	3.50	3C-241	1½"	1.50	3C-267	1½"	2.00	3C-293	1½"	2.00	3C-319	1½"	2.00	3C-345	1½"	2.00	3C-376	(Flowering size)	
	3"	5.00		5"	7.50		2"	2.50		2"	3.50		2"	3.50	3C-346	1½"	2.00		size	5.00
3C-217	2"	3.50	3C-242	1½"	1.50	3C-268	3"	4.50		3"	5.00		3"	5.00	3C-347	4"	7.50	3C-377	5"	5.00
	3"	5.00					4"	7.50	3C-294	1½"	2.00	3C-320	1½"	2.00	3C-348	1½"	2.00	3C-378	5"	5.00
3C-218	4"	5.00	3C-243	3"	5.00	3C-269	4"	5.00	3C-295	1½"	2.00	3C-321	1½"	2.00		2"	3.50			
	5"	7.50		4"	7.50	3C-270	1½"	1.75	3C-296	1½"	2.00	3C-322	5"	5.00	3C-349	1½"	2.00			
3C-219	1½"	1.75	3C-244	2"	2.50	3C-271	1½"	1.50	3C-297	1½"	2.00		6"	7.50		2"	3.50			
	2"	2.50		3"	4.00	3C-272	4"	5.00		2"	3.50	3C-323	1½"	2.00	3C-350	1½"	2.00			
3C-220	1½"	1.75	3C-245	4"	7.50	3C-273	3"	4.50	3C-298	3"	5.00		3"	5.00	3C-351	1½"	2.00			
3C-221	6"	10.00				3C-274	1½"	1.75	3C-299	3"	5.00	3C-324	1½"	2.00	3C-352	1½"	2.00			
3C-222	4"	5.00	3C-246	2"	2.50	3C-275	3"	5.00	3C-300	3"	5.00		2"	3.50	3C-353	1½"	2.00			
				3"	3.50								3"	5.00		2"	3.50			
3C-223	3"	3.50		4"	5.00	3C-276	2"	3.50	3C-301	1½"	2.00	3C-325	1½"	2.00	3C-354	1½"	2.00			
	4"	5.00	3C-247	2"	2.50		3"	5.00	3C-302	1½"	2.00		1½"	2.00						
3C-224	3"	3.50							3C-303	1½"	2.00	3C-326	1½"	2.00						
	4"	5.00	3C-248	2"	2.50								1½"	2.00						
3C-225	4"	7.50		3"	3.50							3C-327	1½"	2.00						
	5"	10.00		4"	5.00	3C-276	2"	3.50												
3C-226	4"	5.00					3"	5.00				3C-328	3"	5.00						



SLC. NAOMI KERNS (See 3C-65—3C-67)



SLC. RAINBOW HILL (See 3C-47—3C-48)

ORCHIDS — Direct from Hawaii — nature's greenhouse

In this our tenth year, we have tried to list orchids in a clear and culturally valuable manner.

Except where otherwise specified, figures preceeding price quotations are pot sizes. The term "log" means a plant growing on a Hawaiian tree fern section.

We try to ship within three days after receipt of any order. Many customers are amazed that an order placed with us is often serviced faster than one placed with a nurseryman nearby. We deliver plants safely to any part of the world with Guaranteed Satisfaction on a money back policy.

INSTRUCTIONS FOR ORDERING

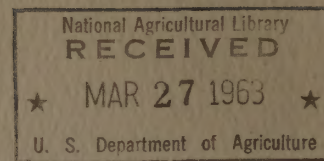
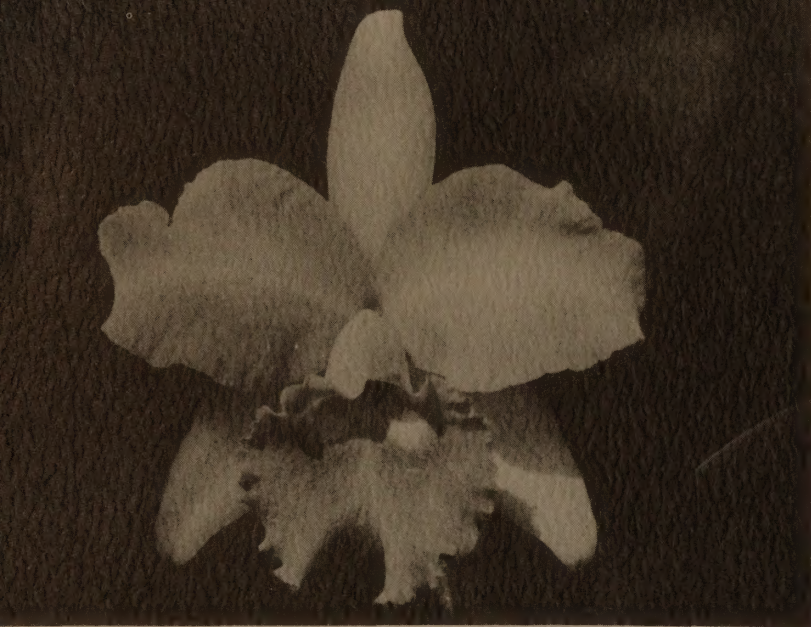
TERMS—Cash with order, no C.O.D.

DISCOUNTS—We offer quantity discounts. Order totaling \$99.00 or less are sold at retail list as quoted. Larger orders discounted as follows: \$100.00 to \$249.00 @ 10% ; \$250.00 to 499.00 @ 15% ; \$500.00 to \$749.00 @ 20% ; \$750.00 to \$999.00 @ 25% ; over \$1,000.00 @ 33 1/3%. Discounts apply only to our catalogue stock, and do not apply to special quotations.

SHIPPING—Plants are shipped out of pots. Advise if we may substitute size and variety when out of stock. No packing charges.

ORDERING—List the plant name and number. No import permits required for entry into the United States. Foreign countries, check your requirements.

REMEMBER — We Guarantee Satisfaction. All plants are offered subject to prior sale. Wm. Kirch—Orchids, Ltd., in no way guarantees crops from these plants as they go beyond our control. In the event of a claim, our liability is limited to purchase price. This list cancels all previous quotations.



LC. MYSEDO VAR. MIYA HYBRID (See 3C-73—3C-80)

Wm. Kirch - orchids, Ltd.
732 Kapahulu Avenue
Honolulu, Hawaii

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